REMARKS

Each of the objections set forth in paragraphs 1 and 2 of the office action have been corrected.

With respect to the rejection set forth in paragraph 4, it is respectfully submitted that the cited article was not published in April 2002. In fact, the conference in question was not until October 2002. This is demonstrated by the attached Internet entry for a subsequent paper which cites the paper cited in the office action at paragraph 4. It clearly cites the conference and the conference as having occurred in October 7-10, 2002.
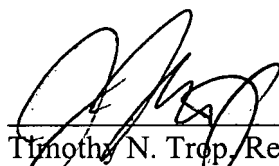
There is no basis for the assertion that the conference occurred in April.

Since the cited reference is authored by the inventors of the present application, no rejection under Section 102(a) would apply and the rejection under Section 102(b) must be withdrawn.

Therefore, reconsideration is requested.

Respectfully submitted,

Date: <u>August 1, 2007</u>

Timothy N. Trop, Reg. No. 28,994
TROP, PRUNER & HU, P.C.
1616 South Voss Road, Suite 750
Houston, TX 77057-2631
713/468-8880 [Phone]
713/468-8883 [Fax]

Attorneys for Intel Corporation

Coverage loss by using space compactors in presence of unknown values

Full text   📄 Pdf (239 KB)

Authors   Mango C.-T. Chao   UC-Santa Barbara, CA
             Seongmoon Wang   NEC Labs. America, Princeton, NJ
             Srimat T. Chakradhar NEC Labs. America, Princeton, NJ
             Wenlong Wei   NEC Labs. America, Princeton, NJ
             Kwang-Ting Cheng   UC-Santa Barbara, CA

Additional Information: abstract   references   collaborative colleagues

Tools and Actions: Find similar Articles   Review this Article

                        Save this Article to a Binder   Display Formats: BibTex   EndNote ACM Ref

↑ ABSTRACT

The presence of unknown values in simulation is the greatest barrier to effective test response compaction. For space compactors, some responses may not be observable due to the masking effect caused by unknown values. This paper reports on experiments conducted to evaluate the impact on the test quality of various percentages of observable responses for both modeled and un-modeled faults.

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

1 Subhasish Mitra , Kee Sup Kim, X-Compact: An Efficient Response Compaction Technique for Test Cost Reduction, Proceedings of the 2002 IEEE International Test Conference, p.311, October 07-10, 2002

2 Chen Wang , Sudhakar M. Reddy , Irith Pomeranz , Janusz Rajski , Jerzy Tyszer, On

Compacting Test Response Data Containing Unknown Values, Proceedings of the 2003 IEEE/ACM international conference on Computer-aided design, p.855, November 09-13, 2003 [doi>10.1109/ICCAD.2003.105]

3   J. Rajski, C. Wang, and S. M. Reddy, Convolutional Compaction Of Test Responses, IEEE International Test Conference, pp. 745--754, 2003.

4   Peter Wohl , Leendert Huisman, Analysis and Design of Optimal Combinational Compactors, Proceedings of the 21st IEEE VLSI Test Symposium, p.101, April 27-May 01, 2003

5   J. Savir, and S. Patil, Scan-based Transition Test, IEEE Trans. on Computer-Aided Design of Integrated Circuit and System, Vol.13(8), pp.1232--1241, 1993.

↑ **Collaborative Colleagues:**

Srimat T. Chakradhar:	Vishwani D. Agrawal	Kwang-Ting Cheng	Kanishka Lahiri Ganesh	Rabindra K. Roy Murugan
	Divya Arora	Kwang-Ting Cheng	Lakshminarayana Wei Li	Sankaradass Rajamani
	Arun Balakrishnan	Kwang-Ting Cheng	Xiao Liu	Sethuram
	Kedarnath J. Balakrishnan	Kwang-Ting (Tim) Cheng	Miodrag Potkonjak	Seongmoon Wang
	Savita Banerjee	Sujit Dey	Nachiketh R. Potlapally	Seongmoon Wang
	Nikhil Bansal	Kiran B. Doreswamy	Dhiraj K. Pradhan	Seongmoon Wang
	Surendra Bommu	Michael S. Hsiao	Anand Raghunathan	Seongmoon Wang
	Surendra K. Bommu	Niraj K. Jha	Srivaths Ravi	Seongmoon Wang
	Michael L. Bushnell	Suman Kanjilal Balakrishnan	Sudhakar M. Reddy	Seongmoon Wang
	Mango C. -T. Chao	Kedarnath	Steven G. Rothweiler	Wenlong Wei
	Mango C.-T. Chao	Angela Krstic		

Mango C.-T. Chao:	Srimat Chakradhar Srimat T. Chakradhar Kwang-Ting Cheng Kwang-Ting Cheng Seongmoon Wang Seongmoon Wang Wen-Long Wei Wenlong Wei
Kwang-Ting Cheng:	Srimat T. Chakradhar Mango C.-T. Chao Seongmoon Wang Wenlong Wei
Seongmoon Wang:	Srimat T. Chakradhar Mango C.-T. Chao Kwang-Ting Cheng Wenlong Wei
Wenlong Wei:	Srimat T. Chakradhar Mango C.-T. Chao Kwang-Ting Cheng Seongmoon Wang